



Semi-Synthetic Gear Oils

DS-9037-150, DS-9037-220, DS-9037-320

Product Description

DS-9037 series products are fully formulated gear lubricants based on semi-synthetic hydrocarbons. These lubricants have excellent thermal and oxidative stability, combined with superior load carrying ability. In extensive field evaluations, the semi-synthetic hydrocarbon base fluid has proven to give extended service life and overall economic benefits. Highly refined hydrocarbons combine high viscosity indices, high film strength and excellent mechanical

shear resistance even in heavily loaded gear applications. Additives provide superior oxidative stability, corrosion protection and load carrying capability. Field test reports state that lower operating temperatures are possible due to reduction in heat build-up due to friction. The reduced friction may also reduce horsepower requirements up to five percent depending on other operating and environmental conditions.

Typical Properties*

Viscosity	150	220	320
@ 40°C cSt per ASTM D445	150.0	230.0	330.3
@ 100°C cSt	15.2	19.7	25.8
@ 100°F SUS	718	1100	1575
@ 210°F SUS	79.8	98.2	125.0
Viscosity Index, per ASTM D2270	102	102	102
Flash Point, C.O.C., °F (°C) per ASTM D92	446(230)	446 (230)	462 (239)
Fire Point, C.O.C., °F (°C) per ASTM D92	490 (254)	490 (254)	507 (264)
Pour Point, °F (°C) per ASTM D97	-17 (-27)	-17 (-27)	-5.8 (-21)
Density lb./gal. 60°F (15°C)	7.17	7.17	7.17
Specific Gravity @ 72°F per ASTM D1298	0.860	0.860	0.860
*These values are not intended for use in preparing specifications.			

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